

=> d his

(FILE 'HOME' ENTERED AT 11:30:04 ON 22 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:30:17 ON 22 JUN 2004

E DICLOFENAC/CN

L1 1 S E3

FILE 'CAPLUS' ENTERED AT 11:51:54 ON 22 JUN 2004

L2 4723 S PRIDINOL OR 511-45-5/RN OR NONPLESIN OR NSC(W) (23016 OR 4037  
L3 2127 S 169590-42-5/RN OR CELECOXIB OR CELEBREX OR 123653-11-2/RN OR  
L4 1 S L2(L)L3 own pet

FILE 'USPATFULL' ENTERED AT 12:06:07 ON 22 JUN 2004

FILE 'EUROPATFULL, FRFULL, PATDPAFULL, PCTFULL, RDISCLOSURE, USPATFULL,  
USPAT2' ENTERED AT 12:06:13 ON 22 JUN 2004

E FAOUR J/IN

L5 43 S E4

FILE 'USPATFULL, USPAT2' ENTERED AT 12:08:43 ON 22 JUN 2004

2 S L5 AND L4

Not prior art/no ODP

=> s Pridinol or 511-45-5/rn or Nonplesin or NSC(w) (23016 or 403797) or parks or 122852-42-0/rn or Alosetron or GR(w)68755 or 1134-47-0/rn or Baclofen or Baclon  
39 PRIDINOL  
59 511-45-5  
2 511-45-5D  
57 511-45-5/RN  
(511-45-5 (NOTL) 511-45-5D )  
0 NONPLESIN  
3232 NSC  
164 NSCS  
3331 NSC  
(NSC OR NSCS)  
4 23016  
0 403797  
0 NSC(W) (23016 OR 403797)  
1001 PARKS  
104 122852-42-0  
2 122852-42-0D  
103 122852-42-0/RN  
(122852-42-0 (NOTL) 122852-42-0D )  
110 ALOSETRON  
51322 GR  
1620 GRS  
52409 GR  
(GR OR GRS)  
3 68755  
2 GR(W) 68755  
1843 1134-47-0  
42 1134-47-0D  
1816 1134-47-0/RN  
(1134-47-0 (NOTL) 1134-47-0D )  
3395 BACLOFEN  
2 BACLOFENS  
3396 BACLOFEN  
(BACLOFEN OR BACLOFENS)  
0 BACLON  
L2 4723 PRIDINOL OR 511-45-5/RN OR NONPLESIN OR NSC(W) (23016 OR 403797)  
OR PARKS OR 122852-42-0/RN OR ALOSETRON OR GR(W)68755 OR  
1134-47-0/RN OR BACLOFEN OR BACLON

=> s 169590-42-5/rn or  
MISSING TERM AFTER 0-42-5/RN OR  
Operators must be followed by a search term, L-number, or query name.

=> s 169590-42-5/rn or Celecoxib or Celebrex or 123653-11-2/rn or NS(w)398 or  
88149-94-4/rn or DuP(w)697  
966 169590-42-5  
23 169590-42-5D  
956 169590-42-5/RN  
(169590-42-5 (NOTL) 169590-42-5D )  
1116 CELECOXIB  
80 CELEBREX  
439 123653-11-2  
6 123653-11-2D  
438 123653-11-2/RN  
(123653-11-2 (NOTL) 123653-11-2D )  
56288 NS  
14 NSES  
56301 NS  
(NS OR NSES)  
6334 398  
875 NS(W)398  
78 88149-94-4

1 88149-94-4D  
77 88149-94-4/RN  
(88149-94-4 (NOTL) 88149-94-4D )  
1015 DUP  
2513 697  
72 DUP (W) 697  
L3 2127 169590-42-5/RN OR CELECOXIB OR CELEBREX OR 123653-11-2/RN OR  
NS (W) 398 OR 88149-94-4/RN OR DUP (W) 697

=> s 12(1)13  
L4 1 L2(L)L3  
=> d ibib abs kwic

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:574855 CAPLUS  
DOCUMENT NUMBER: 137:129887  
TITLE: Pharmaceutical compositions containing a COX-II inhibitor and a muscle relaxant  
INVENTOR(S): Faour, Joaquina; Vergez, Juan A.  
PATENT ASSIGNEE(S): Osmotica Costa Rica Sociedad Anonima, Costa Rica  
SOURCE: PCT Int. Appl., 64 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Spanish  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

*Applicant own PCT*

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE       |
|---|------|----------|-----------------|------------|
| WO 2002058620   | A2   | 20020801 | WO 2002-CR1     | 20020125   |
| WO 2002058620   | A3   | 20021212 |                 |            |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,<br>CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,<br>GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,<br>LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,<br>PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,<br>UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,<br>TJ, TM |      |          |                 |            |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,<br>CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,<br>BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |            |
| EP 1362585  | A2   | 20031119 | EP 2002-711756  | 20020125   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  |      |          |                 |            |
| PRIORITY APPLN. INFO.:  |      |          | US 2001-770901  | A 20010126 |
|   |      |          | WO 2002-CR1     | W 20020125 |

AB The invention relates to a pharmaceutical composition and a dosage form that combines a COX-II inhibitor and a muscle relaxant. The pharmaceutical composition is used to treat pain and disorders and symptoms associated with pain.

The combination provides an improved therapeutic response compared to all other single drugs. The pharmaceutical composition can be administered in any dosage form. The muscle relaxant may be alcuronium, **alosetron**, aminophylline, **baclofen**, carisoprodol, etc. The COX-II inhibitor may be rofecoxib, **celecoxib**, flosulide, **NS-398**, etc.

AB The invention relates to a pharmaceutical composition and a dosage form that combines a COX-II inhibitor and a muscle relaxant. The pharmaceutical composition is used to treat pain and disorders and symptoms associated with pain.

The combination provides an improved therapeutic response compared to all other single drugs. The pharmaceutical composition can be administered in any dosage form. The muscle relaxant may be alcuronium, **alosetron**,

FILE 'USPATFULL' ENTERED AT 12:08:43 ON 22 JUN 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 12:08:43 ON 22 JUN 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 15 and 14  
L6 2 L5 AND L4

=> d ibib abs 1-2

L6 ANSWER 1 OF 2 USPATFULL on STN  
ACCESSION NUMBER: 2002:242824 USPATFULL  
TITLE: Combined diffusion / osmotic pumping drug delivery system  
INVENTOR(S): Faour, Joaquina, Buenos Aires, ARGENTINA

|                       | NUMBER  | KIND | DATE          |
|-----------------------|---|------|---------------|
| PATENT INFORMATION:   | US 2002132005   | A1   | 20020919      |
|                       | US 6753011  | B2   | 20040622      |
| APPLICATION INFO.:    | US 2002-47915   | A1   | 20020115 (10) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2000-483282, filed on 14 Jan 2000, GRANTED, Pat. No. US 6352721 |      |               |

NO ODP

|                       | NUMBER   | DATE     |
|-----------------------|--|----------|
| PRIORITY INFORMATION: | WO 2001-US562                                  | 20010108 |
| DOCUMENT TYPE:        | Utility  |          |
| FILE SEGMENT:         | APPLICATION                                    |          |
| LEGAL REPRESENTATIVE: | INNOVAR, LLC, P O BOX 250647, PLANO, TX, 75025 |          |
| NUMBER OF CLAIMS:     | 30   |          |
| EXEMPLARY CLAIM:      | 1  |          |
| NUMBER OF DRAWINGS:   | 4 Drawing Page(s)                              |          |
| LINE COUNT:           | 1705   |          |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Delivery devices capable of delivering one or more active substances by diffusion through plural micropores in the membrane (4) or by osmotic pumping through one or more preformed passageways (5) in the membrane are provided. The device (1) has an about centrally located expandable core (2) completely surrounded by an active substance-containing layer (3), which is completely surrounded by the membrane. The device is capable of delivering insoluble, slightly soluble, sparingly soluble and very soluble active substances to an environment of use. The preferred delivery rate is zero order. The device can deliver an active substance for a period of about 12-24 hours.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 2 USPAT2 on STN  
ACCESSION NUMBER: 2002:242824 USPAT2  
TITLE: Combined diffusion/osmotic pumping drug delivery system  
INVENTOR(S): Faour, Joaquina, Buenos Aires, ARGENTINA  
PATENT ASSIGNEE(S): Osmotica Corp, Tortola, VIRGIN ISLANDS (BRITISH)  
(non-U.S. corporation)

|                       | NUMBER   | KIND | DATE          |
|-----------------------|--|------|---------------|
| PATENT INFORMATION:   | US 6753011   | B2   | 20040622      |
| APPLICATION INFO.:    | US 2002-47915  |      | 20020115 (10) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2000-483282, filed on 14 Jan 2000, now patented, Pat. No. US 6352721 |      |               |
| DOCUMENT TYPE:        | Utility  |      |               |
| FILE SEGMENT:         | GRANTED  |      |               |

NO ODP

PRIMARY EXAMINER: Spear, James M.  
LEGAL REPRESENTATIVE: Matos, Rick, Innovar, L.L.C.  
NUMBER OF CLAIMS: 30  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 5 Drawing Figure(s); 4 Drawing Page(s)  
LINE COUNT: 1683

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Delivery devices capable of delivering one or more active substances by diffusion through plural micropores in the membrane (4) or by osmotic pumping through one or more preformed passageways (5) in the membrane are provided. The device (1) has an about centrally located expandable core (2) completely surrounded by an active substance-containing layer (3), which is completely surrounded by the membrane. The device is capable of delivering insoluble, slightly soluble, sparingly soluble and very soluble active substances to an environment of use. The preferred delivery rate is zero order. The device can deliver an active substance for a period of about 12-24 hours.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d kwic

L6 ANSWER 1 OF 2 USPATFULL on STN

IN Faour, Joaquina, Buenos Aires, ARGENTINA

DETD . . . Representative anti-inflammatory and analgesic drugs include cortisone, hydrocortisone, prednisone, prednisolone, betamethasone, dexamethasone and fluorocortisone; cyclooxygenase II inhibitors such as rofecoxib, celecoxib, flosulide, NS-398, DUP-697, meloxicam, 6-methoxy-2-naphthylacetic acid, nabumetone, etodolac, nimesulide, SC-5766, SC-58215, T-614; salicylates such as salicylic acid, aspirin and diflunisal; pyrazolon derivates such. . .

DETD [0102] Representative muscle relaxants and antispasmodic agents include alcuronium, alosetron, aminophylline, baclofen, carisoprodol, chlorphenesin, chlorphenesin carbamate, chlorzoxazone, chlormezanone, cyclobenzaprine, dantrolene, decamethonium, diazepam, dyphylline, eperisone, ethaverine, gallamine triethiodide, hexafluorenium, mephenesin, metaxalone, methocarbamol, metocurine iodide, orphenadrine, pancuronium, papaverine, pipecuronium, pridinol, succinylcholine, theophylline, tizanidine, tolperisone, tubocurarine, vecuronium, idrocilamide, ligustilide, cniidilide, senkyunolide, baclofen, trihexylphenidyl, pridinol, and biperiden.

=> d clm

L6 ANSWER 1 OF 2 USPATFULL on STN

CLM What is claimed is:

1. A device for the controlled delivery of at least one active agent to an environment of use, wherein the device comprises: a core expandable in a fluid from the environment of use, the core being approximately centrally located in the device; a layer comprising at least one first active agent, wherein the layer is in contact with and surrounds the core; and a membrane in contact with and surrounding the layer and comprising at least one preformed passageway for delivery of the at least one active agent by osmotic pumping and plural micropores for delivery of the at least one active agent by diffusion, and the membrane further comprising one or more cellulose esters, one or more poly(methacrylate) copolymer salts and one or more plasticizers, wherein the membrane permits delivery of the at least one active substance through a combination of diffusion and osmotic pumping.

2. A device according to claim 1 further comprising a drug-containing coat external to the membrane and comprising a second active agent, wherein the drug-containing coat provides an immediate, rapid, controlled or delayed release of the second active agent and the external coat surrounds at least a portion of the membrane.
3. A device according to claim 2, wherein the first and second active agents are different and are independently selected at each occurrence from the group consisting of an antibiotic agent, antihistamine agent, decongestant, anti-inflammatory agent, antiparasitic agent, antiviral agent, local anesthetic, antifungal agent, amoebicidal agent, trichomonocidal agent, analgesic agent, anti-arthritis agent, anti-asthmatic agent, anticoagulant agent, anticonvulsant agent, antidepressant agent, antidiabetic agent, antineoplastic agent, anti-psychotic agent, neuroleptic agent, antihypertensive agent, hypnotic agent, sedative agent, anxiolytic energizer agent, antiparkinson agent, muscle relaxant agent, antimalarial agent, hormonal agent, contraceptive agent, sympathomimetic agent, hypoglycemic agent, antilipemic agent, ophthalmic agent, electrolytic agent, diagnostic agent, prokinetic agent, gastric acid secretion inhibitor agent, anti-ulcerant agent, anti-flatulent agent, anti-incontinence agent, and cardiovascular agent.
4. A device according to claim 3, wherein the first active agent is a prokinetic agent and the second active agent is a gastric acid secretion inhibitor agent.
5. A device according to claim 3, wherein the first active agent is a decongestant and the second active agent is an antihistamine.
6. A device according to claim 3, wherein the first active agent is a first anti-incontinence agent and the second active agent is a different second anti-incontinence agent.
7. A device according to claim 6, wherein the anti-incontinence agents are selected from the group consisting of oxybutynin, tolterodine and darifenacin.
8. A device according to claim 3, wherein the first active agent is a first antihypertensive agent and the second active agent is a different second antihypertensive agent.
9. A device according to claim 8, wherein the antihypertensive agents are selected from the group consisting of a calcium channel blocker agent, an angiotensin converting enzyme inhibitor agent, a diuretic agent and a beta-adrenergic antagonist agent.
10. A device according to claim 3, wherein the first active agent is an antidepressant agent and the second active agent is an anti-psychotic agent.
11. A device according to claim 3, wherein the first active agent is a first analgesic or anti-inflammatory agent, and the second active agent is a different second analgesic or anti-inflammatory agent.
12. A device according to claim 11, wherein the analgesic and anti-inflammatory agents are selected from the group consisting of a non-steroidal anti-inflammatory agent, a steroidal anti-inflammatory agent, an opioid receptor agonist agent, and a selective or specific COX-II inhibitor agent.
13. A device according to claim 3, wherein the first active agent is an antiviral agent and the second active agent is an antihistamine agent.

14. A device according to claim 3, wherein the first active agent is a muscle relaxant agent and the second active agent is an anti-inflammatory or analgesic agent.
15. A device according to claim 14, wherein the first active agent is pridinol and the second active agent is a selective or specific COX-II inhibitor agent.
16. A device according to claim 2, wherein the first and second active agents are the same and are selected from the group consisting of an antibiotic agent, antihistamine agent, decongestant, anti-inflammatory agent, antiparasitic agent, antiviral agent, local anesthetic, antifungal agent, amoebicidal agent, trichomonocidal agent, analgesic agent, anti-arthritis agent, anti-asthmatic agent, anticoagulant agent, anticonvulsant agent, antidepressant agent, antidiabetic agent, antineoplastic agent, anti-psychotic agent, neuroleptic agent, antihypertensive agent, hypnotic agent, sedative agent, anxiolytic energizer agent, antiparkinson agent, muscle relaxant agent, antimarial agent, hormonal agent, contraceptive agent, sympathomimetic agent, hypoglycemic agent, antilipemic agent, ophthalmic agent, electrolytic agent, diagnostic agent, prokinetic agent, gastric acid secretion inhibitor agent, anti-ulcerant agent, anti-flatulent agent, anti-incontinence agent, and cardiovascular agent.
17. A device according to claim 1, wherein the membrane comprises about 1 to 99 weight percent of one or more cellulose esters, about 84 to 0.5 weight percent of one or more poly(methacrylate) copolymer salts and about 15 to 0.5 weight percent of one or more plasticizers.
18. A device according to claim 1, wherein the cellulose ester is selected from the group consisting of cellulose acylate, cellulose diacylate, cellulose triacylate, cellulose acetate, cellulose diacetate, cellulose triacetate and combinations thereof.
19. A device according to claim 1, wherein the poly(methacrylate) copolymer salt is poly(ammonium methacrylate) copolymer.
20. A device according to claim 1, wherein the plasticizer is selected from the group consisting of acetyl triethyl citrate, acetyl tributyl citrate, triethyl citrate, acetylated monoglycerides, glycerol, poly(ethylene glycol), triacetin, propylene glycol, dibutyl phthalate, diethyl phthalate, dipropyl phthalate, dimethyl phthalate, dioctyl phthalate, dibutyl sebacate, dimethyl sebacate, castor oil, glycerol monostearate, and coconut oil.
21. A device according to claim 1, wherein the first active agent is one of a biologically active agent, pharmacologically active agent, medicine, nutrient, food product, vitamin, insecticide, pesticide, herbicide, microbicide, algaecide, fungicide, grow regulating substance, parasiticide, sterilant, fertility promoter, biocide, rodenticide, disinfectant, plant growth promoter, preservative, fertility inhibitor, deodorant, catalysts, food supplement and cosmetic.
22. The device of claim 1, wherein the layer further comprises at least one of an osmagent and an osmopolymer; the expandable core further comprises at least one expandable hydrophilic polymer and, optionally, an osmagent.
23. The device of claim 22, wherein the membrane comprises about 1 to 99 weight percent of one or more cellulose esters, about 84 to 0.5 weight percent of one or more poly(methacrylate) copolymer salts and about 15 to 0.5 weight percent of one or more plasticizers.
24. The device of claim 23, wherein the expandable hydrophilic polymer

is one or more of hydroxypropyl methylcellulose, alkylcellulose, hydroxyalkylcellulose, poly(alkylene oxide), and combinations thereof; and the at least one cellulose ester is independently selected from the group consisting of cellulose acylate, cellulose diacylate, cellulose triacylate, cellulose acetate, cellulose diacetate, cellulose triacetate and combinations thereof.

25. The device of claim 23, wherein the at least one poly(methacrylate) copolymer salt is a poly(ammonium methacrylate) copolymer.

26. The device of claim 2, wherein the layer further comprises at least one of an osmagent and an osmopolymer; the expandable core further comprises at least one expandable hydrophilic polymer and, optionally, an osmagent.

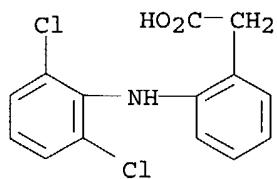
27. The device of claim 26, wherein the membrane comprises about 1 to 99 weight percent of one or more cellulose esters, about 84 to 0.5 weight percent of one or more poly(methacrylate) copolymer salts and about 15 to 0.5 weight percent of one or more plasticizers.

28. The device of claim 27, wherein the expandable hydrophilic polymer is one or more of hydroxypropyl methylcellulose, alkylcellulose, hydroxyalkylcellulose, poly(alkylene oxide), and combinations thereof; and the at least one cellulose ester is independently selected from the group consisting of cellulose acylate, cellulose diacylate, cellulose triacylate, cellulose acetate, cellulose diacetate, cellulose triacetate and combinations thereof.

29. The device of claim 27, wherein the at least one poly(methacrylate) copolymer salt is a poly(ammonium methacrylate) copolymer.

30. A device for the controlled delivery of at least one active agent to an environment of use, wherein the device comprises: a core expandable in a fluid from the environment of use, the core being approximately centrally located in the device; a layer comprising at least one first active agent, wherein the layer is in contact with and surrounds the core; and a membrane in contact with and surrounding the layer and comprising one or more cellulose esters, one or more poly(methacrylate) copolymer salts and one or more plasticizers, wherein the membrane permits delivery of the at least one active substance through a combination of diffusion and osmotic pumping.

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 15307-86-5 REGISTRY



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

CN Benzeneacetic acid, 2-[(2,6-dichlorophenyl)amino]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acetic acid, [o-(2,6-dichloroanilino)phenyl]- (8CI)

OTHER NAMES:

CN 2-(2,6-Dichloroanilino)phenylacetic acid

CN 2-(2,6-Dichlorophenylamino)phenylacetic acid

CN 2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid

CN Dichlofenac

CN **Diclofenac**

CN Diclofenac acid

CN Diclomelan

CN Dicloreuma

CN N-(2,6-Dichlorophenyl)-o-aminophenylacetic acid

CN Pennsaid

CN Transfenac

CN [o-(2,6-Dichloroanilino)phenyl]acetic acid